

Date: Mon, 3 May 93 04:30:15 PDT
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>
Errors-To: Info-Hams-Errors@UCSD.Edu
Reply-To: Info-Hams@UCSD.Edu
Precedence: Bulk
Subject: Info-Hams Digest V93 #530
To: Info-Hams

Info-Hams Digest Mon, 3 May 93 Volume 93 : Issue 530

Today's Topics:

AM Modulation Question
Antenna Positioning
 beacon
Helical filters for HT's
 MIR on VOICE
Need a copy of PRB1...
Need some QSL-addresses
 no-code defense
Sellers Beware!!!

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: Mon, 3 May 1993 08:16:52 GMT
From: swrinde!emory!kd4nc!ke4zv!gary@network.UCSD.EDU
Subject: AM Modulation Question
To: info-hams@ucsd.edu

In article <1rn3qd\$je7@hpscit.sc.hp.com> rkarlqu@scd.hp.com (Richard Karlquist)
writes:

>Scott Sminkey - Sustaining Eng Group (sas@opus.xyplex.COM) wrote:
>:

>: I guess that scheme isn't used anymore. I know that broadcast video
>: signals are vestigial sideband. Does anyone know what form of
>: amplification is used today in that application?

>

>I am fairly certain that all TV broadcast transmitters, even UHF,

>do exactly what you said can't be done (easily): they have cavity
>filters at the output frequency between the final amplifier and the
>antenna. They not only shape the signal into vestigial sideband but
>also act as a diplexer between the video and audio transmitters. Hence
>they are called "filter-plexers". This is according to a friend who
>worked at a UHF TV station 25 years ago.

Filterplexers are now considered passe, we use a SAW filter in a
low level modulator and linear amps from there. With the filterplexer
you had to discard 1/4 of your power heating the cavities, not real
efficient. Our old transmitter used water cooled filterplexer cavities,
our new one uses a simple combiner.

The low level modulation allows you to hetrodyne to any frequency you
like, so frequency agile units should be rather straight forward.

Gary

--

Gary Coffman KE4ZV		You make it,		gatech!wa4mei!ke4zv!gary
Destructive Testing Systems		we break it.		uunet!rsiatl!ke4zv!gary
534 Shannon Way		Guaranteed!		emory!kd4nc!ke4zv!gary
Lawrenceville, GA 30244				

Date: Sat, 1 May 1993 16:26:36 GMT
From: usc!howland.reston.ans.net!darwin.sura.net!knuth.mtsu.edu!raider!theporch!
jackatak!jackhill@network.UCSD.EDU
Subject: Antenna Positionining
To: info-hams@ucsd.edu

levine@mc.com (Bob Levine) writes:

> I am installing my first tower and have a few questions.
[...]
> I want to put a Cushcraft A4S on my 50' tower.
> I want 40m capability also
> can not put up a real 40m beam on this mast because I will be putting an A3
> same mast so I am limited by funds at this time. Question: Is it better to:
> 1) Put a 40m add on kit to the A4S.
> or
> 2) Put a 40m rotatable trapped dipole parallel to the boom above or below
> separated by about 5 feet.

I hope I didn't butcher that too badly.

I had a 120' tower with a LARGE 6 -element (KT34XA) tribander about 2
feet above the tower top, and a 40 meter (90 degrees off-set) about 8
feet above. The offset *WAS* important, because the third harmonic

relationship of 40 to 15 *will* detune the tribander performance if the elements were in the same plane. I tried and measured some considerable problems, and climbed back up and tried the 90 degree solution and was VERY happy.

By using 6061 Alloy Aluminum tubing, schedule 80, thick wall (.250) for masting, I had about 16 feet of mast above the tower top. A VERY heavy wind bent the top stick of tower and left a very slight warp in the mast! It was worth the bux and still is in service, though not with same tower of wind loads...subdivisions and CCRs, don'tcha know ;^)

Whole installation worked well.

So, why not use the boom of your tribander as PART of the 40 dipole? It would not be too difficult to modify and adapt, and would get rid of one of your concerns.

> 2nd question

> How far above the A4 10-15-20 tribander should the A3 17-12m antenna be? I'd go with Cushcraft on that. Don't know enough from personal experience to answer you.

> Should it also be rotated 90 degrees to the A4

Nope. No need. The reason for the 90 degree rotation of 40 and tribander is to prevent third harmonic interaction of one to the other. No such relationship exists for 10-15-20 and 17-12

> It would be nice to be able to model these

Yes, but it would be a huge amount of work. I can certainly understand your concern, and your reluctance to spend money first and find it doesn't work later are good defenses against doing a silly thing.

Perhaps, you could tell Cushcraft of your concern and suggest that you will take your business elsewhere since they seem unable or willing to help you...other antenna manufacturers -- or even homebrew -- are real good alternatives...

73 ES GUD LUCK

```
+-----+
| Jack GF Hill          |Voice: (615) 459-2636 - Bicycling and SCUBA Diving |
| P. O. Box 1685        |Modem: (615) 377-5980 - Compu$erve 76427,31 |
| Brentwood, TN 37024  |jackhill@jackatak.raider.net - Ham Call: W4PPT |
+-----+
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Date: Sun, 2 May 1993 12:37:42 GMT

From: usc!zaphod.mps.ohio-state.edu!saimiri.primate.wisc.edu!hp9000.csc.cuhk.hk!
uxmail!ustsu5.ust.hk!ee_hflo@network.UCSD.EDU
Subject: beacon
To: info-hams@ucsd.edu

I am a beginner in Ham Radio. Please tell me what is the term
"Propagation beacon".

Michael LO

Date: Sun, 2 May 1993 18:13:16 GMT
From: usc!howland.reston.ans.net!darwin.sura.net!knuth.mtsu.edu!raider!theporch!
jackatak!jackhill@network.UCSD.EDU
Subject: Helical filters for HT's
To: info-hams@ucsd.edu

debaker@crchh7b0.bnr.ca (David Baker) writes:

>
> I have a TH-78A, and when using the unit mobil, the front end
> is frequently blown away by intermod. [...stuff deleted...]
>
> Does anyone have any advice or recommendations about filters/amps/etc
> that would improve the selectivity of my HT?

Sure. REMOVE the DC to Daylight mods that make the broad front-end
even worse, disconnect your outside antenna (your HT was designed to
use the inefficient rubber duck! ;^) and then hope for a reduction in
other RF to drive your TH78 nuts! ;^) ;^)

These comments are NOT meant as a flame, but while an HT makes for a
neato first rig, there *ARE* limitations to them, and there are
reasons why people use MOBILE rigs in their cars with outside
antennas. Sadly, it isn't really possible to advise everyone BEFORE
they buy the neato HT... but, when you can, use the HT as it was
designed, and add a good mobile rig (with a quick disconnect mobile
mount so you can use it in the house as well) and enjoy the hobby

73 ES GUD DX? ;^)

+-----+
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+-----+

Date: Thu, 29 Apr 1993 12:23:48 GMT
From: dog.ee.lbl.gov!overload.lbl.gov!agate!howland.reston.ans.net!
darwin.sura.net!knuth.mtsu.edu!raider!root@network.UCSD.EDU
Subject: MIR on VOICE
To: info-hams@ucsd.edu

Hi,

About 1am CDT (or so) on 4/27/93, I was on 145.55 listening for Shuttle activity, when the squelch broke at a time I knew that the shuttle was no where near in range. Well, I figured MIR packet, but no.... a Russian voice! Very strong too. But it did *NOT* sound like a QSO and likewise it was very unusual to hear them speak Russian over the southeast US. Anyway, I was reading the most recent Space News here on R.R.A.M. and noted that MIR was planning EVA for the 27th. Well, I had read somewhere WAY back that MIR sometimes used the HAM fqs for their own activities, so I suppose what I might have heard was one-side of a duplex voice link between the guy inside and the guy outside (???)! As I said, the tone was not that of a QSO but sounded like someone on the job (as you might hear on a scanner).

Anyway, I could not get my darn tape recorder running in time to catch more than a few words before it floated out of range (brain was still in bed downstairs! :-)). If I had gotten enough voice recorded I could have had it translated by a friend of mine and then I might have known for sure.

Needless to say, it was still a charging experience as I have only caught them on voice once before MANY moons ago.

As far as packet is concerned, I think that they may have improved their antenna situation some as I had no problem linking to the packet robot on 5 watts.

Just an interesting experience I thought I would share.

73,

Mark

Date: Sun, 2 May 1993 18:06:36 GMT
From: usc!howland.reston.ans.net!darwin.sura.net!knuth.mtsu.edu!raider!theporch!
jackatak!jackhill@network.UCSD.EDU
Subject: Need a copy of PRB1...

To: info-hams@ucsd.edu

bal@controls.ccd.harris.com (Bruce Lifter) writes:

>

> I live in a small rural town that restricts any structure to 35 feet. I
> obtained enough used tower sections (at a very resonable price)
> to go up to 70 feet. At the time, I did not know of the restriction.
Usually, and especially so in "small rural towns" the height limit for
BUILDINGS is a function of the fire fighting equipment limitations,
and has little or nothing to do with an antenna SUPPORT STRUCTURE,
which is what a tower is. In fact, I suspect that had the wording of
the request for a permit to construct an antenna support structure
been managed, the inspector would have granted the permit on the spot,
provided he figured your neighbors (*if* you had any close enough to
notice ;^) wouldn't scream and cry...causing him a problem.

By charcaterising you tower as a building, it made it fall within the
35 foot limit...

I sure hope you can get your tower sticks back...

73 ES GUD LUCK

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+-----+
| Jack GF Hill          |Voice: (615) 459-2636 - Bicycling and SCUBA Diving |
| P. O. Box 1685        |Modem: (615) 377-5980 -          Compu$erve 76427,31 |
| Brentwood, TN 37024  |jackhill@jackatak.raider.net -      Ham Call: W4PPT |
+-----+
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Date: Mon, 3 May 1993 08:46:36 GMT

From: mcsun!sunic!aun.uninett.no!nuug!statoil!ddm3!magne@uunet.uu.net

Subject: Need some QSL-addresses

To: info-hams@ucsd.edu

We just had an "outgoing QSL-party" at the local club,
and sent out some 6000 cards. We had some problems with
some of the direct QSL-addresses. Wonder if someone could help
with a few of them (all stations worked within the last couple of
months or so). Some of them may be listed in the 1993 internation
callbook, but the local bookstore hasnt got it yet..

Here we go:

P20A

TZ3YGD

FM5GD

V7RTTY
6W6WJ
CU2T
V7MHZ
VI1YS
P40RY
9H1AZ
TA2FT
LY1BZB
YT5AA
CE1YI
4Z5DX
4N5W
5H3VB

73 de Magne 1a1bfa (magne@statoil.no)

Date: Thu, 29 Apr 1993 03:36:57 GMT
From: usc!howland.reston.ans.net!darwin.sura.net!knuth.mtsu.edu!raider!theporch!
jackatak!jackhill@network.UCSD.EDU
Subject: no-code defense
To: info-hams@ucsd.edu

stocker@nssdca.gsfc.nasa.gov (ERICH FRANZ STOCKER) writes:
> In article <1993Apr25.140637.14242@anomaly.sbs.com>, kd1hz@anomaly.sbs.com (R
> >Several people in this area, KD1NR included, were able to pass their Element
> >1A with brief studying for several days (slightly or no more than the time
> >required to study the 3A pool...)
>
> As usual with people who have a particular approach to life which they think
> God has personally passed on to them, you have jumped to a general conclusion
> from a few observations.
Not to continue fanning this flame, but it seems the "pot" is calling
the "kettle" black here.

You seem to make some good points here, but leap to some ill-founded
conclusions of your own. (As I am no doubt doing, even as I type1 ;^)

> 1) theory is easy for some people and not for others
> 2) code is easy for some people and not for others
Yes, this is how it seems to work. Now, how should YOU, with a CW learning
difficulty, address this issue, given that you seem to want to copy 13
or more wpm? Right and Left brain-ness isn't the drill here. What you
DO with your brain is...

> For 6 months, I have been studying the morse code. I work at least 1 hour

> per day in 30 min sessions.

I believe, and experience at teaching CW would bear me out, that 30 minutes at a stretch *TO LEARN* is too long. 4 15 or 6 10 minute sessions would actually allow you to progress faster and become less frustrated.

> I have the ARRL tapes, some other company tapes,

> morse by rythmn and self hypnosis tapes. I also attend a class that is also

> allowing me to practice a little.

Just a guess here, but I think you have four or more DIFFERENT tapes, each with a slightly different sending speed and character spacing to achieve the speed you are trying to copy. This means you are actually trying to learn CW as four or more manifestations of language rather than ONE. SLOW DOWN. STOP!!! Get a grip and go at this in the easiest and best way to learn ONE language, not four or more!

You have SuperMorse, so I'd recommend you focus there. READ the doc... it is quite good on what happens with "Farnsworth" character development and will help you understand some of this approach.

Then, crank the character speed UP to about 23 wpm, and set the word speed at about 7...always a little faster than you can copy solid.

Next, get yourself some graph paper to copy on...

Then, and this is the MOST difficult part, learn to forget and let go when you miss a character. Can't write the character you heard? Skip the box on teh graph paper and move on. NOBODY has to be perfect copying Morse...the test only requires 70% comprehension, and if you can let a character go, by playing "Vanna White" you can probably figure out what you missed LATER -- do NOT try it when yo are copying!

Now that you have given yourself permission to not be perfect, and the session is only going to be 10 minutes long, there is even a chance you could make it fun... try short e-mail messages, fed to SuperMorse as files to send...Thought of the Day makes for great practice, and keeps things fun. Sure, if you have read it before, you may recognize the text as it is sent, but after a while it won't matter anyway.

Make this fun, because it can be (and is to some people)...

Personally, it took a long time (20 years of frustration and a few abortive attempts at 20wpm) before I finally let go of having to be perfect, and when I could be less than perfect, I passed!

Enjoy the CW... It is different, part of the romance, history and heritage of Ham Radio, and what separates us from people who can merely trade money for a license to yak...

> So, don't tell me how easy it is to learn the code and that some people you
> know did it after studying a couple of minutes. Great for those people!
And very irrelevant to the one person that counts.... you!

> I'm now a ham (as soon as the FCC does its part) and proud of it.
Congratulations! Welcome to the hobby.

> I intend
> to upgrade as soon as I can get past the code obstacle. It isn't easy but it
> is worth it.

The second half of that attitude statement will work for you. Treating
the Morse requirement as an obstacle rather than an opportunity will
keep it so...

> Although I question incentive licensing when it makes some
> people think that they are superior to others.
Erich, even MONEY can make some people feel superior to others, and
when one is born to it, the individual has done NOTHING to earn it and
is not entitled to the feeling...but they have it anyway...That is
life.

73 ES GUD LUCK...e-mail me if you need more help/encouragement

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+-----+
| Jack GF Hill      |Voice: (615) 459-2636 - Bicycling and SCUBA Diving |
| P. O. Box 1685    |Modem: (615) 377-5980 - CompuServe 76427,31 |
| Brentwood, TN 37024|jackhill@jackatac.raider.net - Ham Call: W4PPT |
+-----+
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Date: Sun, 02 May 93 22:57:11 PDT
From: telesoft!fatcity!don@uunet.uu.net
Subject: Sellers Beware!!!
To: info-hams@ucsd.edu

shaun.merrigan@freddy.ersys.edmonton.ab.ca (Shaun Merrigan) writes:

> TO: all
>
> In rec.radio.swap, don@fatcity.cts.com (Don Hamiel) writes:
>
> > Be leary of a person by the name of Steve Parrish in Lancaster,
> New Hampshire....
>
>
> I wonder if the infamous Mike Kirby of Florida has moved north??
>

```

>
> Last I heard there was a class action suit pending against this
> fellow. Does anyone know how it turned out???
>
> 73's
>
> Shaun
>
> shaun.merrigan@freddy.ersys.edmonton.ab.ca (Shaun Merrigan)
> ---
> . DeLuxe./386 1.25 #974sa .
>

```

Shaun, I have not yet had any response from local pd. This is the second time I've called them. The first time they did a great job, the guy called me within a day after contacting the police. I will call agn on Monday to try and speak to the same officer that handled it before. Thanks for the interest. I never expected this munh input and am quite impressed. 73 de Don./

```

--
don@fatcity.cts.com (Don Hamiel)
Fat City Software BBS -- (619) 484-7683
UUCP: ...crash.cts.com!fatcity!don OR ...telesoft.com!fatcity!don

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Date: 3 May 93 05:28:28 GMT
From: news.service.uci.edu!orion.oac.uci.edu!easu348@network.UCSD.EDU
To: info-hams@ucsd.edu

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References <lu377sINNifl@news.bbn.com>,
<930502.151850.7V4.rusnews.w165w@garlic.sbs.com>, <C6Fp4o.F2L@news.Hawaii.Edu>
Subject : Re: no-code defense

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jherman@uhunix.uhcc.Hawaii.Edu (Jeff Herman) writes:

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>In article <930502.151850.7V4.rusnews.w165w@garlic.sbs.com> system@garlic.sbs.com
(Anthony S. Pelliccio) writes:
>>N1MNF/AA <levin@bbn.com> writes:
>>
>>> system@garlic.sbs.com (Anthony S. Pelliccio) writes:
>>>
>>> |jgervais@weber.ucsd.edu (Joe Gervais ) writes:
>>>
>>> |> While I realize that the "no-code" bashers are an unfortunately
>>> |> vocal minority, if they have succeeded in putting legitimate
>>>

```

>>> |Actually there's more than a minority. It's just that all this
>>> |politically correct bullshit keeps some people from saying whats really
>>> |on their minds. :)
>>>
>>> Are you saying that the '"no-code" bashers' are a majority of hams?
>>>
>>
>>Yes in fact, I am. Judging by the letters of support I've gotten for my
>>stance on dropping the code requirement I'd say there are alot of hams
>>opposed to messing with the structure. I just don't want to see the HF
>>bands become a free-for-all if all of a sudden, people who haven't put
>>half the effort into it that I have, get access to the same spectrum.
>>That doesn't make me a happy camper.
>>
>>Tony
>>
>So, ladies and gentlemen, why don't we take an informal poll here on
>the net: give your callsign and state whether you support the no-code
>license or feel it was a bad idea. I'll start:

>I'm NH6IL and I'm against the no-code license.

I am strongly in favor of the no-code license. The main reason is: people like me who have very little interest in CW should still have a spectrum to use without CW. Morse Code is becoming obsolete (with exception to the "entertainment bands"), so why make it a necessity for a HAM license. What makes a person that has CW knowledge better than someone who does not? The answer: nothing! I have no wants to enter into HF for CW purposes. The only reason I would get the higher class priviledges is for the phone on the HF bands. I just simply prefer talking. I don't think that I, or others like me are a hinderance to the HAM bands. My friends and I (all no-coders) have helped in many local emergencies and believe that we have been an integral part of these disaster relief efforts. If the CW mandate was still in effect, I like many others would not be involved in HAM or these benefits to our society.

Sincerely,
Andrew Parker

--
Andrew Parker | KD6TGM | easu348@orion.oac.uci.edu

End of Info-Hams Digest V93 #530
